UPDATED

GROWATT
Multifunction Inverter

The Dayliff Growatt inverter range are versatile high specification multifunction inverters designed for various applications including:-

- Grid Tie combining mains AC and PV module DC input power sources programmable to prioritise PV supply with mains power used to supplement load requirements.
- Off-Grid for stand-alone PV solar powered systems to provide AC power for various load requirements with battery back up for non PV availability.
- Power backup systems for on-grid mains failure battery feed loads.

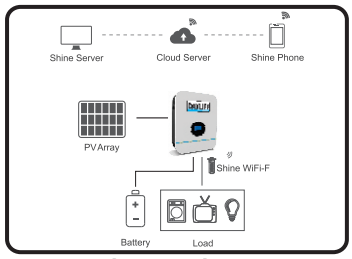
The Dayliff Growatt inverters include the following features:-

- Pure sine wave output that provides filtered power for use with sensitive electronic devices.
- LCD display for operating parameters and user configurable settings including battery charging current, AC/Solar output priority and input voltages.
- Built-in smart charge controllers with automatic switching between AC and Solar power sources for optimised battery performance.
- Built-in MPPT charge controller
- Overload and short-circuit protection.
- Programmable supply prioritisation for PV, battery or grid supply
- Optional WIFI/GPRS for Monitoring software for real time status display and control
- Parallel operation for scalability available on 5000W model only
- Compatible with lead acid and lithium battery

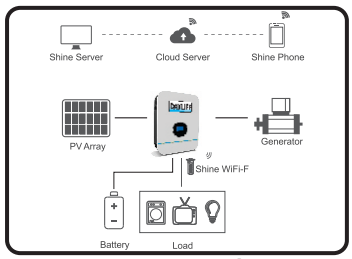
SPECIFICATIONS

MODEL	GD3000TL	GD5000TL
Rated Output Power, VA/W	3,000VA/3000W	5,000VA/5000W
Input AC Voltage, VAC	240	
Maximum PV Input Power, W	1500	4500
Maximum PV Array Open Circuit Voltage, VDC	102	145
PV Array MPPT Voltage Range, VDC	30-80	60-115
Nominal Output Voltage, VAC	240VAC +-5%	
Maximum Solar Charging Current, A	50	80
Maximum AC Charging Current, A	30	60
Nominal Battery Voltage, VDC	24	48
Peak Efficiency, %	98%	
Parallel Capability	None	Yes, 6 units
Dimension (DxWxH)mm	130x315x400	143x420x531
Net Weight, Kgs	10	16

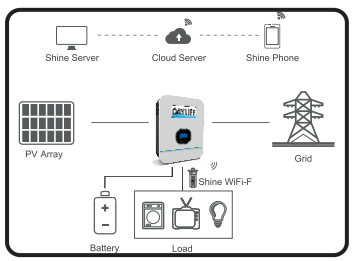
Application Diagrams



Only PV Application



PV+ Generator Application



PV+ Grid Supply Application